

# **METHOD AND APPARATUS FOR PROVIDING AN INITIAL BIAS AND ENABLE SIGNAL FOR A POWER CONVERTER**

## **ABSTRACT OF THE DISCLOSURE**

5           A bias circuit with a coreless transformer to provide isolated initial bias and enable signal  
for a switch-mode power converter with the control circuit located on the output side. A coreless  
transformer is used for initializing operation of the control circuit, because of its simplicity and  
low profile on a printed circuit board due to lack of a magnetic core. Exemplary embodiments  
are further disclosed that provide a means to enable or disable the power converter using input  
10 signals from the input side, such as an ON/OFF feature, as well as from input signals from the  
output side, such as secondary protection logic.